



**LAND APPLICATION OF BIOSOLIDS
MALCOLM RIGSBY**

**LO 72 (FIELDS 1-10, 12, 25-27, 29)
LOUISA COUNTY, VIRGINIA
FEBRUARY 2013
REVISED AUGUST 2014**

July 30, 2014

Mr. Ed Stuart
Department of Environmental Quality
Northern Virginia Regional Office
13901 Crown Court
Woodbridge, VA 22193

Dear Mr. Stuart:

Transmitted herein for your consideration is land application site for Malcolm Rigsby (designated as LO 72, fields 1-10, 12, 25-27, 29), located in Louisa County, Virginia. This submission contains strictly site specific information. Please refer to the operations and maintenance manual submitted under separate cover for all non-site specific information.

Do not hesitate to contact me at (804) 443-2170 should you have any questions or require additional information.

Sincerely,

A handwritten signature in blue ink that reads "C. Whiteside".

Carolanne M. Whiteside
Technical Services Coordinator



FIELD SUMMARY SHEET

Malcolm Rigsby LO72

SYNAGRO FIELD #	GROSS ACRES	NET ACRES	FSA TRACT #	FSA FIELD #	TOPO QUAD	OWNER
72-1	13.6	12.7			Buckner	Rigsby, Leslie Porter, Trustee
72-2	25.2	25.2			Mineral	Rigsby, Leslie Porter, Trustee
72-3	26.2	25.2			Mineral	Rigsby, Leslie Porter, Trustee
72-4	24.0	19.6			Mineral	Rigsby, Leslie Porter, Trustee
72-5	4.3	4.3			Mineral	Central Virginia Investments LC
72-6	64.4	62.5			Mineral	Rigsby, Leslie Porter, Trustee
72-7	2.8	2.1			Ferncliff	Rigsby, Leslie Porter, Trustee
72-8	14.5	13.8			Mineral	Rigsby, Leslie Porter, Trustee Mansfield Limited Liability Co
72-9	17.8	16.0			Mineral	Rigsby, Leslie Porter, Trustee Mansfield Limited Liability Co
72-10	10.9	10.9			Mineral	Rigsby, Leslie Porter, Trustee
72-12	19.1	18.9			Mineral	Rigsby, Leslie Porter, Trustee
72-25	3.9	3.0			Mineral	Rigsby, Leslie Porter, Trustee
72-26	5.3	5.1			Mineral	Rigsby, Leslie Porter, Trustee
72-27	42.8	38.1			Mineral	Rigsby, Leslie Porter, Trustee Rigsby, Leslie Porter, Trustee Mansfield Limited Liability Co
72-29	46.3	40.9			Mineral	Riddell, Deborah Towsey, William & Connie
TOTALS:	321.1	298.3				

Revised 08-20-2014

Appendix I

VIRGINIA POLLUTION ABATEMENT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS

A. This biosolids/industrial residuals land application agreement is made on 3/10/12 between Leslie Rigsby Jr Trustee referred to here as "Landowner", and Synagro referred to here as the "Permittee". This agreement remains in effect until it is terminated in writing by either party or until ownership of all parcels changes. If ownership of individual parcels identified in this agreement changes, those parcels for which ownership has changed will no longer be authorized to receive biosolids or industrial residuals under this agreement.

Landowner:

I am the registered owner of real property known as LO-72, located in Louisa Virginia, which includes the agricultural sites identified below in Table 1 and identified on the tax map(s) attached as Exhibit A.

Table 1.: Parcels authorized to receive biosolids, water treatment residuals or other industrial sludges			
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
<u>16-14</u>	<u>28-2</u>	<u>54-97</u>	
<u>16-50</u>	<u>28-3</u>	<u>28-1</u>	
<u>16-49</u>	<u>54-6-B</u>		

☐ Additional parcels containing Land Application Sites are identified on Supplement A (check if applicable)

Check one:

- ☒ I am the sole owner of the properties identified herein.
☐ I am one of multiple owners of the properties identified herein.

In the event that I, the landowner, sell or transfer all or part of the property to which biosolids have been applied within 38 months of the latest date of biosolids application, I shall:

1. Notify the purchaser of the applicable public access and crop management restrictions no later than the closing date; and
2. Notify the permit holder of the sale within two weeks following closing.

I have no other agreements for land application on the fields identified herein. I will notify the permittee immediately if conditions change such that the fields are no longer available to the permittee for application or any part of this agreement becomes invalid.

I hereby grant permission to the Permittee to land apply residuals as specified below, on the agricultural sites identified above and in Exhibit A. I also grant permission for DEQ staff to conduct inspections on my land identified above, before, during or after land application of permitted residuals for the purpose of determining compliance.

☒ Class B biosolids ☒ Water treatment residuals ☒ Other industrial sludges (check all that apply)

Leslie P. Rigsby Jr Leslie P. Rigsby Jr 468 Buena Vista Rd
Landowner - Printed Name Signature Mailing Address
Trustee

Permittee:

Synagro, the permittee, agrees to apply biosolids and/or industrial residuals on the landowner's land in the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with §10.1-104.2 of the Code of Virginia. Permittee will provide a copy of the NMP to the landowner within 30 days after land application has commenced. If the plan requires modification to reflect the actual application rates or farming practices at the site, a revised plan will be provided within 2 weeks of the modification.

Permittee agrees to notify landowner or landowner designee of the proposed schedule for land application and specifically prior to any particular application to landowner's land. Notice shall include the source of residuals to be applied.

L. Rossini L. Rossini 10647 Tidewater Trail
Permittee - Authorized Representative Signature Mailing Address
Printed Name
Champlain, VA 22438

**VIRGINIA POLLUTION ABATEMENT APPLICATION
PART D-VI LAND APPLICATION AGREEMENT**

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Permittee: Sanagro
Landowner: Rigsby

Permit # or County: Louisa
Farm name or address: Lo-72

Landowner Site Management Requirements:

I, the landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

1. Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, at least 30 days after land application at that site was completed.
2. Public Access
 - a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.
 - b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
 - c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by the permitting authority
3. Crop Restrictions:
 - a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
 - b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil,
 - c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
 - d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
 - e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy).
4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

 - a. Meat producing livestock shall not be grazed for 30 days,
 - b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
 - c. Other animals shall be restricted from grazing for 30 days;
5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on landowner's land for three years following the application of biosolids or industrial residuals borne cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

Juliet Rigsby J Trustee
Landowner's Signature

3-10-12
Date

Appendix I

VIRGINIA POLLUTION ABATEMENT APPLICATION
FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS

A. This biosolids/industrial residuals land application agreement is made on 2/1/12 between James E Riddell and Deborah E Riddell referred to here as "Landowner", and Syndeco referred to here as the "Permittee". This agreement remains in effect until it is terminated in writing by either party or until ownership of all parcels changes. If ownership of individual parcels identified in this agreement changes, those parcels for which ownership has changed will no longer be authorized to receive biosolids or industrial residuals under this agreement.

Landowner:

I am the registered owner of real property known as Georgewood Farm, located in Mineral Virginia, which includes the agricultural sites identified below in Table 1 and identified on the tax map(s) attached as Exhibit A.

Table 1.: Parcels authorized to receive biosolids, water treatment residuals or other industrial sludges

Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
16 - 12			

☐ Additional parcels containing Land Application Sites are identified on Supplement A (check if applicable)

Check one:

- ☒ I am the sole owner of the properties identified herein.
☐ I am one of multiple owners of the properties identified herein.

In the event that I, the landowner, sell or transfer all or part of the property to which biosolids have been applied within 38 months of the latest date of biosolids application, I shall:

1. Notify the purchaser of the applicable public access and crop management restrictions no later than the closing date; and
2. Notify the permit holder of the sale within two weeks following closing.

I have no other agreements for land application on the fields identified herein. I will notify the permittee immediately if conditions change such that the fields are no longer available to the permittee for application or any part of this agreement becomes invalid.

I hereby grant permission to the Permittee to land apply residuals as specified below, on the agricultural sites identified above and in Exhibit A. I also grant permission for DEQ staff to conduct inspections on my land identified above, before, during or after land application of permitted residuals for the purpose of determining compliance.

☒ Class B biosolids ☒ Water treatment residuals ☒ Other industrial sludges (check all that apply)

Deborah E Riddell Deborah E Riddell
Landowner - Printed Name Signature

2217 Mansfield Rd
Mailing Address Mineral, VA 231

James E Riddell
Permittee:

the permittee, agrees to apply biosolids and/or industrial residuals on the landowner's land in the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with §10.1-104.2 of the Code of Virginia. Permittee will provide a copy of the NMP to the landowner within 30 days after land application has commenced. If the plan requires modification to reflect the actual application rates or farming practices at the site, a revised plan will be provided within 2 weeks of the modification.

Permittee agrees to notify landowner or landowner designee of the proposed schedule for land application and specifically prior to any particular application to landowner's land. Notice shall include the source of residuals to be applied.

Kelvin Gore
Permittee - Authorized Representative
Printed Name Signature

10647 Tidewater Trail
Champlain, VA 22438
Mailing Address

**VIRGINIA POLLUTION ABATEMENT APPLICATION
PART D-VI LAND APPLICATION AGREEMENT**

Page 2 of 2

Permittee: Synagro
Landowner: A Deborah E. Riddell
James E Riddell
Landowner Site Management Requirements:

Permit # or County: Louisa
Farm name or address: # Georgewood Farm
2217 Mawfield Rd
Mineral, VA 23117

I, the landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

1. Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, at least 30 days after land application at that site was completed.
2. Public Access
 - a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.
 - b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
 - c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by the permitting authority
3. Crop Restrictions:
 - a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
 - b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil,
 - c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
 - d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
 - e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy).
4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

 - a. Meat producing livestock shall not be grazed for 30 days,
 - b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
 - c. Other animals shall be restricted from grazing for 30 days;
5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on landowner's land for three years following the application of biosolids or industrial residuals borne cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

A Deborah E. Riddell
Landowner's Signature

James E. Riddell
Date

2-1-12

PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS

A. This biosolids/industrial residuals land application agreement is made on 3/5/12 between Towsey referred to here as "Landowner", and Survaire referred to here as the "Permittee". This agreement remains in effect until it is terminated in writing by either party or until ownership of all parcels changes. If ownership of individual parcels identified in this agreement changes, those parcels for which ownership has changed will no longer be authorized to receive biosolids or industrial residuals under this agreement.

Landowner:

I am the registered owner of real property known as LO-72, located in Louisa Virginia, which includes the agricultural sites identified below in Table 1 and identified on the tax map(s) attached as Exhibit A.

Table 1.: Parcels authorized to receive biosolids, water treatment residuals or other industrial sludges

Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
<u>See Tax</u>	<u>ID sheet in site Book.</u>		
<u>16-10</u>			

☐ Additional parcels containing Land Application Sites are identified on Supplement A (check if applicable)

Check one:

- ☒ I am the sole owner of the properties identified herein.
☐ I am one of multiple owners of the properties identified herein.

In the event that I, the landowner, sell or transfer all or part of the property to which biosolids have been applied within 38 months of the latest date of biosolids application, I shall:

1. Notify the purchaser of the applicable public access and crop management restrictions no later than the closing date; and
2. Notify the permit holder of the sale within two weeks following closing.

I have no other agreements for land application on the fields identified herein. I will notify the permittee immediately if conditions change such that the fields are no longer available to the permittee for application or any part of this agreement becomes invalid.

I hereby grant permission to the Permittee to land apply residuals as specified below, on the agricultural sites identified above and in Exhibit A. I also grant permission for DEQ staff to conduct inspections on my land identified above, before, during or after land application of permitted residuals for the purpose of determining compliance.

Class B biosolids ☒ Yes ☐ No Water treatment residuals ☒ Yes ☐ No Food processing waste ☒ Yes ☐ No Other industrial sludges ☒ Yes ☐ No

Willow Towsey Jr
Landowner - Printed Name

Willow H. Towsey
Signature

9770 Mossyfield Rd M.C.
Mailing Address

Permittee:

_____, the permittee, agrees to apply biosolids and/or industrial residuals on the landowner's land in the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with §10.1-104.2 of the Code of Virginia. Permittee will provide a copy of the NMP to the landowner within 30 days after land application has commenced. If the plan requires modification to reflect the actual application rates or farming practices at the site, a revised plan will be provided within 2 weeks of the modification.

Permittee agrees to notify landowner or landowner designee of the proposed schedule for land application and specifically prior to any particular application to landowner's land. Notice shall include the source of residuals to be applied.

K. M. Lee
Permittee - Authorized Representative
Printed Name

Signature

Mailing Address

16647 Tidewater Trail
Champlain VA
22438

Permittee: Synagro

Permit # or County: Louisa

Landowner: Towsey

Farm name or address: LC-72

Landowner Site Management Requirements:

I, the landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

1. Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, at least 30 days after land application at that site was completed.
2. Public Access
 - a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.
 - b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
 - c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by the permitting authority
3. Crop Restrictions:
 - a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
 - b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil,
 - c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
 - d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
 - e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy).
4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

 - a. Meat producing livestock shall not be grazed for 30 days,
 - b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
 - c. Other animals shall be restricted from grazing for 30 days;
5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on landowner's land for three years following the application of biosolids or industrial residuals borne cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

Landowner's Signature

William H. Towsey Jr.
Owner

Date

3-5-12

**VIRGINIA POLLUTION ABATEMENT APPLICATION
FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS**

PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS

A. This biosolids/industrial residuals land application agreement is made on 3/10/12 between Bazzanella referred to here as "Landowner", and Synagro referred to here as the "Permittee". This agreement remains in effect until it is terminated in writing by either party or until ownership of all parcels changes. If ownership of individual parcels identified in this agreement changes, those parcels for which ownership has changed will no longer be authorized to receive biosolids or industrial residuals under this agreement.

Landowner:

I am the registered owner of real property known as Lo-17, located in Louisa, Virginia, which includes the agricultural sites identified below in Table 1 and identified on the tax map(s) attached as Exhibit A.

Table 1.: Parcels authorized to receive biosolids, water treatment residuals or other industrial sludges

<u>Tax Parcel ID</u>	<u>Tax Parcel ID</u>	<u>Tax Parcel ID</u>	<u>Tax Parcel ID</u>
<u>16-15</u>			
<u>See Tax ID Sheet</u>	<u>in site Book</u>		

☐ Additional parcels containing Land Application Sites are identified on Supplement A (check if applicable)

Check one:

- ☒ I am the sole owner of the properties identified herein.
☐ I am one of multiple owners of the properties identified herein.

In the event that I, the landowner, sell or transfer all or part of the property to which biosolids have been applied within 38 months of the latest date of biosolids application, I shall:

1. Notify the purchaser of the applicable public access and crop management restrictions no later than the closing date; and
2. Notify the permit holder of the sale within two weeks following closing.

I have no other agreements for land application on the fields identified herein. I will notify the permittee immediately if conditions change such that the fields are no longer available to the permittee for application or any part of this agreement becomes invalid.

I hereby grant permission to the Permittee to land apply residuals as specified below, on the agricultural sites identified above and in Exhibit A. I also grant permission for DEQ staff to conduct inspections on my land identified above, before, during or after land application of permitted residuals for the purpose of determining compliance.

<u>Class B biosolids</u>	<u>Water treatment residuals</u>	<u>Food processing waste</u>	<u>Other industrial sludges</u>
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

* Samuel Bazzanella
 Landowner - Printed Name Signature
Mansfield Limited Liability Co.

Mineral, VA 23117
 Mailing Address

Permittee:

Synagro, the permittee, agrees to apply biosolids and/or industrial residuals on the landowner's land in the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with §10.1-104.2 of the Code of Virginia. Permittee will provide a copy of the NMP to the landowner within 30 days after land application has commenced. If the plan requires modification to reflect the actual application rates or farming practices at the site, a revised plan will be provided within 2 weeks of the modification.

Permittee agrees to notify landowner or landowner designee of the proposed schedule for land application and specifically prior to any particular application to landowner's land. Notice shall include the source of residuals to be applied.

Kyle M. Fore
 Permittee - Authorized Representative Signature
 Printed Name

10647 Tidewater Trail
 Mailing Address
Champlain, VA 22438

VIRGINIA POLLUTION ABATEMENT APPLICATION
PART D-VI LAND APPLICATION AGREEMENT

Page 2 of 2

Permittee: Synagro

Permit # or County: Louisa

Landowner: Sam Bazzanella

Farm name or address: _____

Landowner Site Management Requirements:

I, the landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

1. Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, at least 30 days after land application at that site was completed.
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 - c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by the permitting authority
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 - b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil,
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 - d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
 - e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy).
4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

 - a. Meat producing livestock shall not be grazed for 30 days,
 - b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
 - c. Other animals shall be restricted from grazing for 30 days;
5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on landowner's land for three years following the application of biosolids or industrial residuals borne cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

Landowner's Signature

Samuel Bazzanella
Manstfield Limited Liability Co.

Date

3/10/12

Tax ID Landowner Identification Sheet

<u>Landowner</u>	<u>Field #</u>	<u>Tax ID</u>
RIGSBY, LESLIE PORTER, TRUSTEE	72-01	16 - 14, 50
RIGSBY, LESLIE PORTER, TRUSTEE	72-02	16 - 49, 50
RIGSBY, LESLIE PORTER, TRUSTEE	72-03	16 - 50 28 - 2
RIGSBY, LESLIE PORTER, TRUSTEE	72-04	28 - 2
CENTRAL VIRGINIA INVESTMENTS LC	72-05	16 - 60
RIGSBY, LESLIE PORTER, TRUSTEE	72-06	54 - 6 - B 54 - 97
RIGSBY, LESLIE PORTER, TRUSTEE	72-07	16 - 50
RIGSBY, LESLIE PORTER, TRUSTEE	72-08	16 - 14
MANSFIELD LIMITED LIABILITY CO		16 - 15
RIGSBY, LESLIE PORTER, TRUSTEE	72-09	16 - 14
MANSFIELD LIMITED LIABILITY CO		16 - 15
RIGSBY, LESLIE PORTER, TRUSTEE	72-10	16 - 14 28 - 1
RIGSBY, LESLIE PORTER, TRUSTEE	72-12	28 - 1
RIGSBY, LESLIE PORTER, TRUSTEE	72-25	28 - 2
RIGSBY, LESLIE PORTER, TRUSTEE	72-26	28 - 2
RIGSBY, LESLIE PORTER, TRUSTEE	72-27	16 - 50 28 - 2, 3
MANSFIELD LIMITED LIABILITY CO	72-29	16 - 15
RIDDELL, DEBORAH E		16 - 12
TOWSEY, WILLIAM H JR & CONNIE DIANE		16 - 10
RIGSBY, LESLIE PORTER, TRUSTEE		16 - 9

Field #	Latitude (north)	Longitude (west)
72-1	38 ⁰ 05' 14.22"	77 ⁰ 54' 12.44"
72-2	38 ⁰ 05' 08.51"	77 ⁰ 53' 55.24"
72-3	38 ⁰ 04' 59.14"	77 ⁰ 53' 43.74"
72-4	38 ⁰ 04' 53.48"	77 ⁰ 53' 34.75"
72-5	38 ⁰ 04' 48.33"	77 ⁰ 52' 33.01"
72-6	37 ⁰ 58' 09.48"	78 ⁰ 05' 54.15"
72-7	38 ⁰ 04' 59.95"	77 ⁰ 53' 58.84"
72-8	38 ⁰ 05' 16.62"	77 ⁰ 54' 21.78"
72-9	38 ⁰ 05' 08.72"	77 ⁰ 54' 23.51"
72-10	38 ⁰ 05' 04.10"	77 ⁰ 54' 28.81"
72-12	38 ⁰ 04' 52.44"	77 ⁰ 54' 37.21"
72-25	38 ⁰ 04' 46.31"	77 ⁰ 54' 39.16"
72-26	38 ⁰ 04' 43.43"	77 ⁰ 54' 42.49"
72-27	38 ⁰ 04' 44.75"	77 ⁰ 53' 47.13"
72-29	38 ⁰ 05' 30.68"	77 ⁰ 54' 30.08"



Tax Map ID 28-2



Scale: 1:36111.909643

Date: 05/08/2012

Printed By:

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Tax Map ID 28-3



Scale: 1:36111.909643

Date: 05/08/2012

Printed By:

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Tax Map ID 16-14, 49, 50



Scale: 1:18055.954822

Date: 05/08/2012

Printed By:

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Tax Map ID 16-15



Scale: 1:18055.954822

Date: 05/08/2012

Printed By:

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Tax Map ID 28-1



Scale: 1:9027.977411

Date: 05/08/2012

Printed By:

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Tax Map ID 16-9, 10, 12



Scale: 1:18055.954822

Date: 05/08/2012

Printed By:

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Tax Map ID 54-6-B, 97



Scale: 1:9027.977411

Date: 05/08/2012

Printed By:

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Field	Map Unit	Acres	Percentage	Soil Series	High Water	Flood	Environmental Sensitive											
72-01	AnC2	6.6	52	Ashlar			Leaching											
72-01	AnB2	3.9	31															
72-01	AsC	2.1	17															
72-02	TaB2	9.5	42	Madison					Shallow									
72-02	TmC3	7.0	31															
72-02	CfC3	3.2	14															
72-02	MnB	1.7	7															
72-02	AbB	1.4	6															
72-03	MnC	8.0	32	Madison							Shallow							
72-03	NoC2	6.0	24															
72-03	NoB2	5.1	20															
72-03	TaB2	4.1	16															
72-03	TmC3	1.9	8															
72-04	NoB2	8.0	43	Madison									Shallow					
72-04	NoC2	4.3	23															
72-04	TmC3	3.1	16															
72-04	MnC	1.9	10															
72-04	RoB	1.6	8															
72-05	NoB2	3.5	80															
72-05	NoC2	0.6	14															
72-05	TaB2	0.2	6															
72-06	OrB	23.4	38															
72-06	TaB2	20.2	33															
72-06	NoC2	14.1	23															
72-06	NoB2	3.4	6															
72-07	WH	1.2	57	Wehadkee-Chew	Nov-May	Nov-June											Shallow Leaching	
72-07	MnC	0.6	28	Madison														
72-07	AsC	0.3	15	Ashlar														
72-08	AsC	5.1	37	Ashlar	Nov-June		Leaching											
72-08	AnB2	4.5	33	Coflax														
72-08	AnC2	2.4	17															
72-08	CIB	1.8	13															
72-09	ArC3	5.9	38	Ashlar													Leaching	
72-09	AsC	2.9	18															
72-09	AnB2	2.7	17															
72-09	AnC2	2.6	17															
72-09	DuB	1.6	10															
72-10	AnB2	7.2	67															
72-10	ArC3	1.4	12															
72-10	AbB	1.2	11															
72-10	AnC2	1.1	10															
72-20	DuB	13.9	39	Coflax					Nov-June									
72-20	AnB2	12.7	36															
72-20	CIB	4.7	13															

Field	Map Unit	Acres	Percentage	Soil Series	High Water	Flood	Environmental Sensitive
72-20	AnC2	4.3	12				
72-21	AnB2	13.9	62				
72-21	AbB	3.3	15				
72-21	ApB3	3.1	14				
72-21	AnC2	2.2	9				
72-12	AnC2	10.4	58				
72-12	AnB2	3.8	21				
72-12	ArC3	3.9	21				
72-25	GrB2	2.5	86				
72-25	WH	0.4	14	Wehadkee-Chew	Nov-May	Nov-June	
72-26	GrC2	2.2	42				
72-26	AsC	1.9	37	Ashlar			Leaching
72-26	WH	1.1	21	Wehadkee-Chew	Nov-May	Nov-June	
72-27	NoC2	16.5	46				
72-27	NoB2	7.1	20				
72-27	MnC	6.5	18	Madison			Shallow
72-27	TaB2	2.7	8				
72-27	TaC2	2.7	8				
72-28	TaB2	12.6	59				
72-28	NoC2	8.6	41				
72-29	AnB2	19.3	47				
72-29	AnC2	11.2	28				
72-29	CIB	5.1	13	Coflax	Nov-June		
72-29	CcB2	5.1	12				

MAP LEGEND



House/Dwelling with a well



Rock Outcrop



Well



Lake/Pond



Slope which exceeds 15%



Intermittent Stream



Stream/River



Agricultural/Drainage Ditch

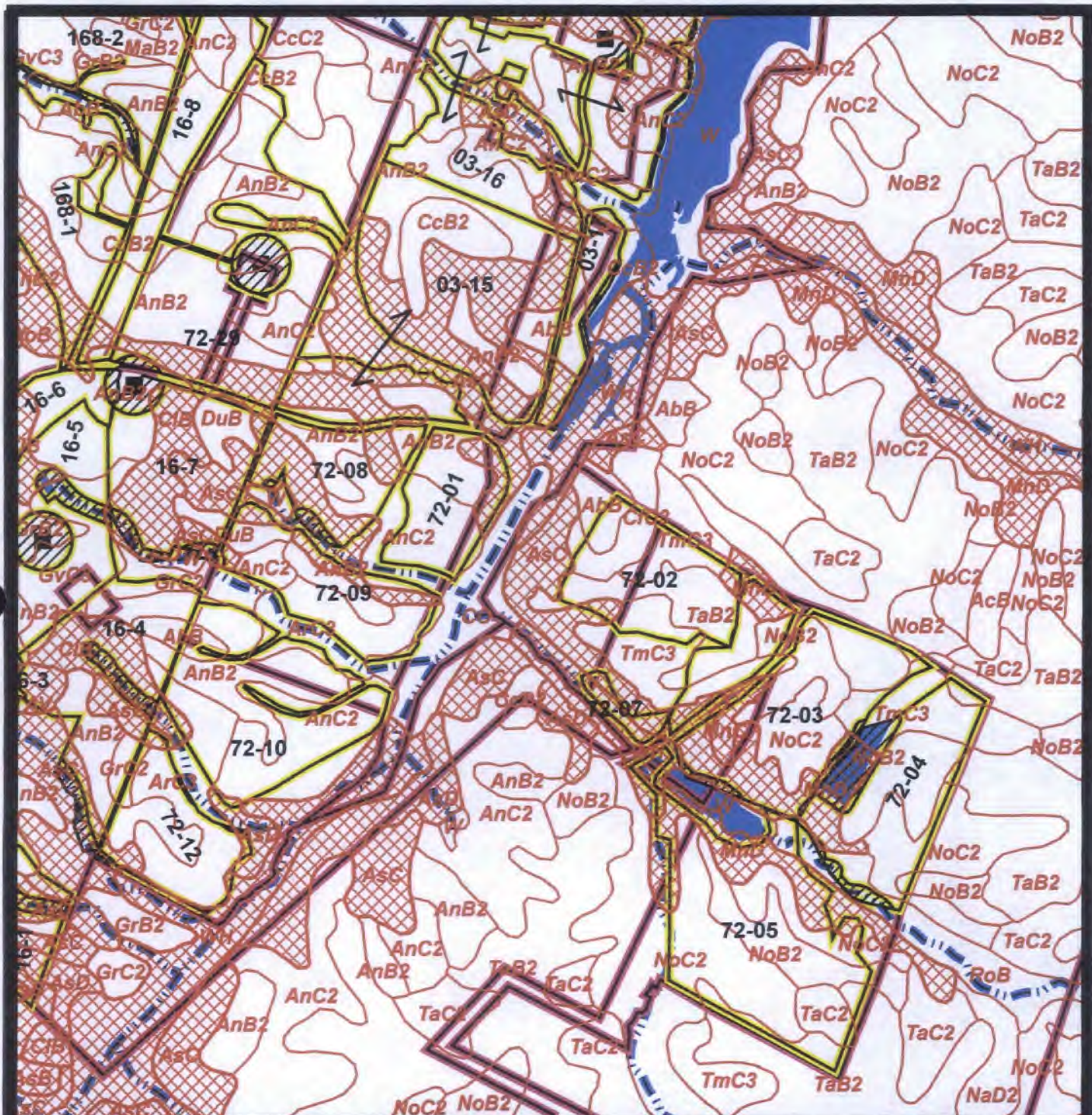


Field boundary



Property Line – (Standard 100'
Buffer, unless waiver issued)

Revised: Jan. 13, '14

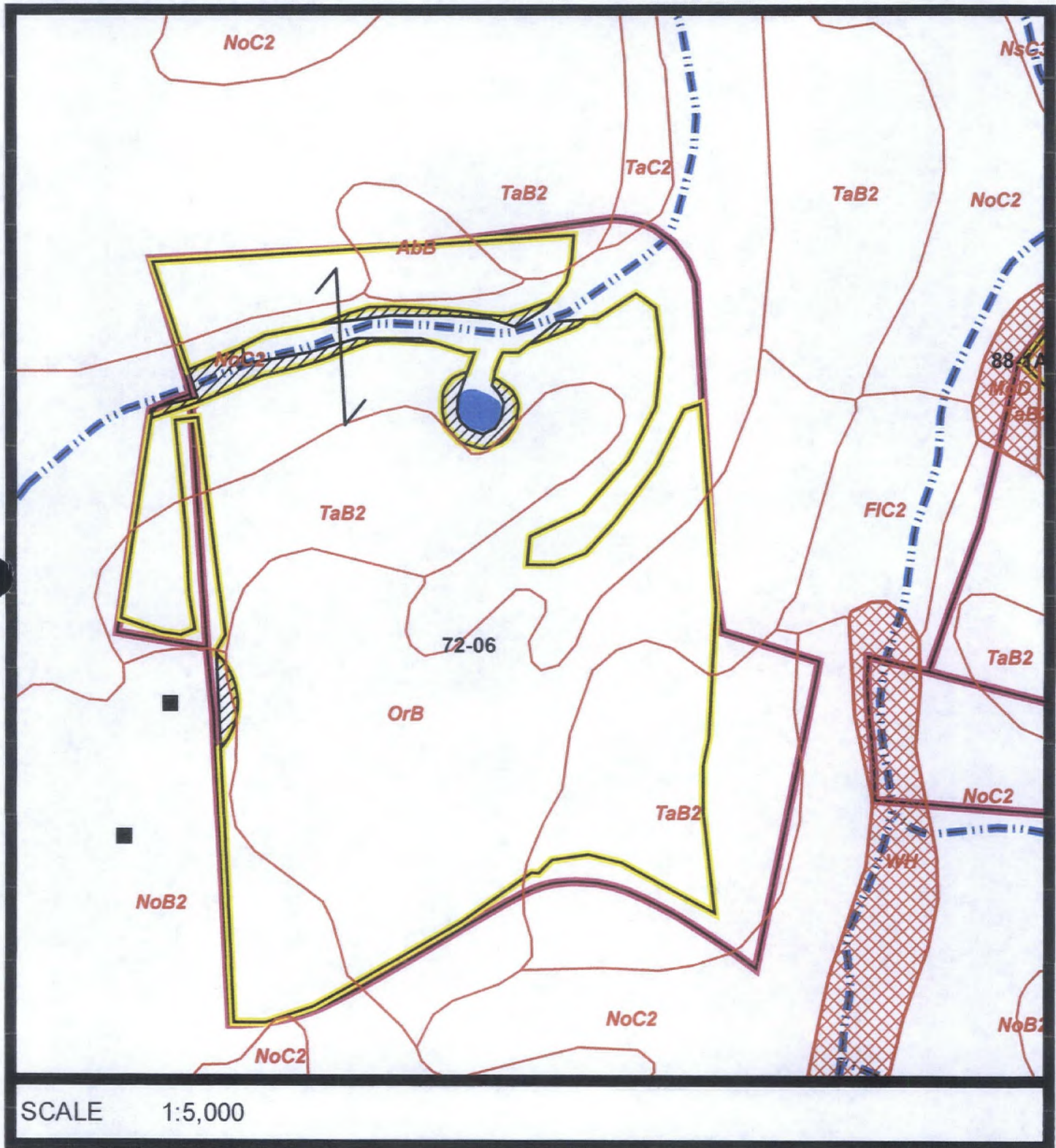


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SOIL MAP

 Environmentally Sensitive Soil

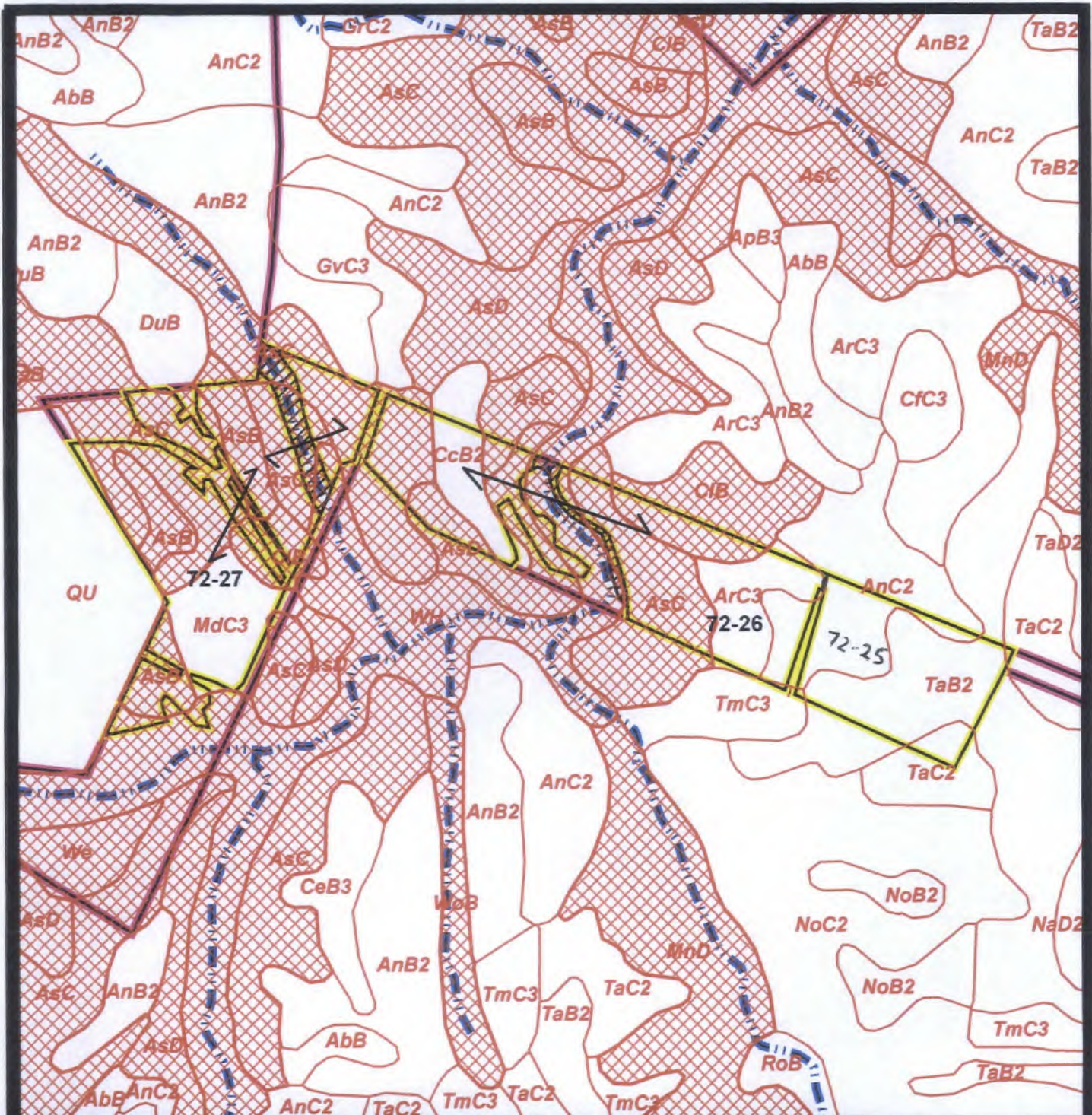
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SOIL MAP

 Environmentally Sensitive Soil





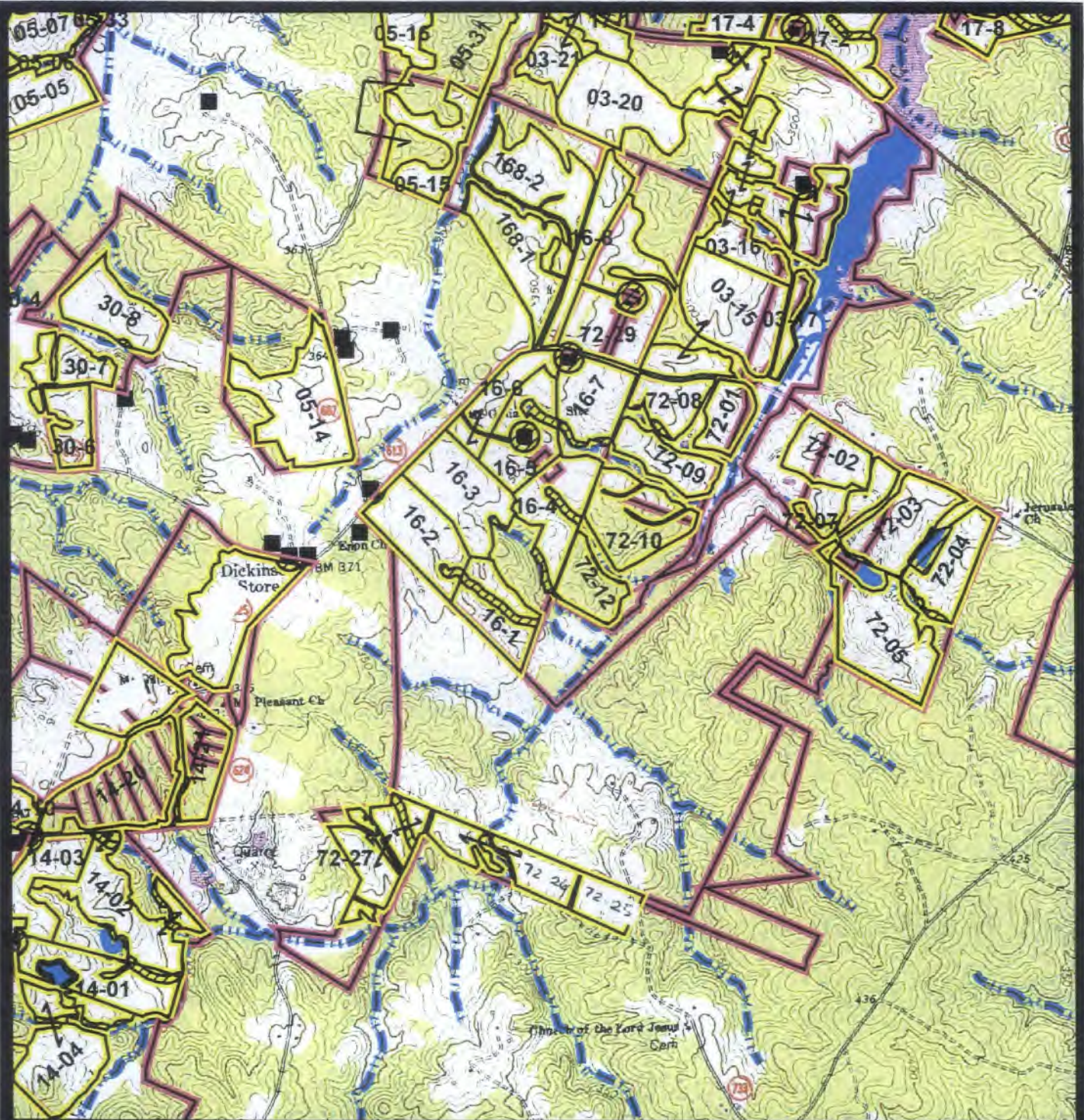
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Revised 9-13-14

SOIL MAP

 Environmentally Sensitive Soil



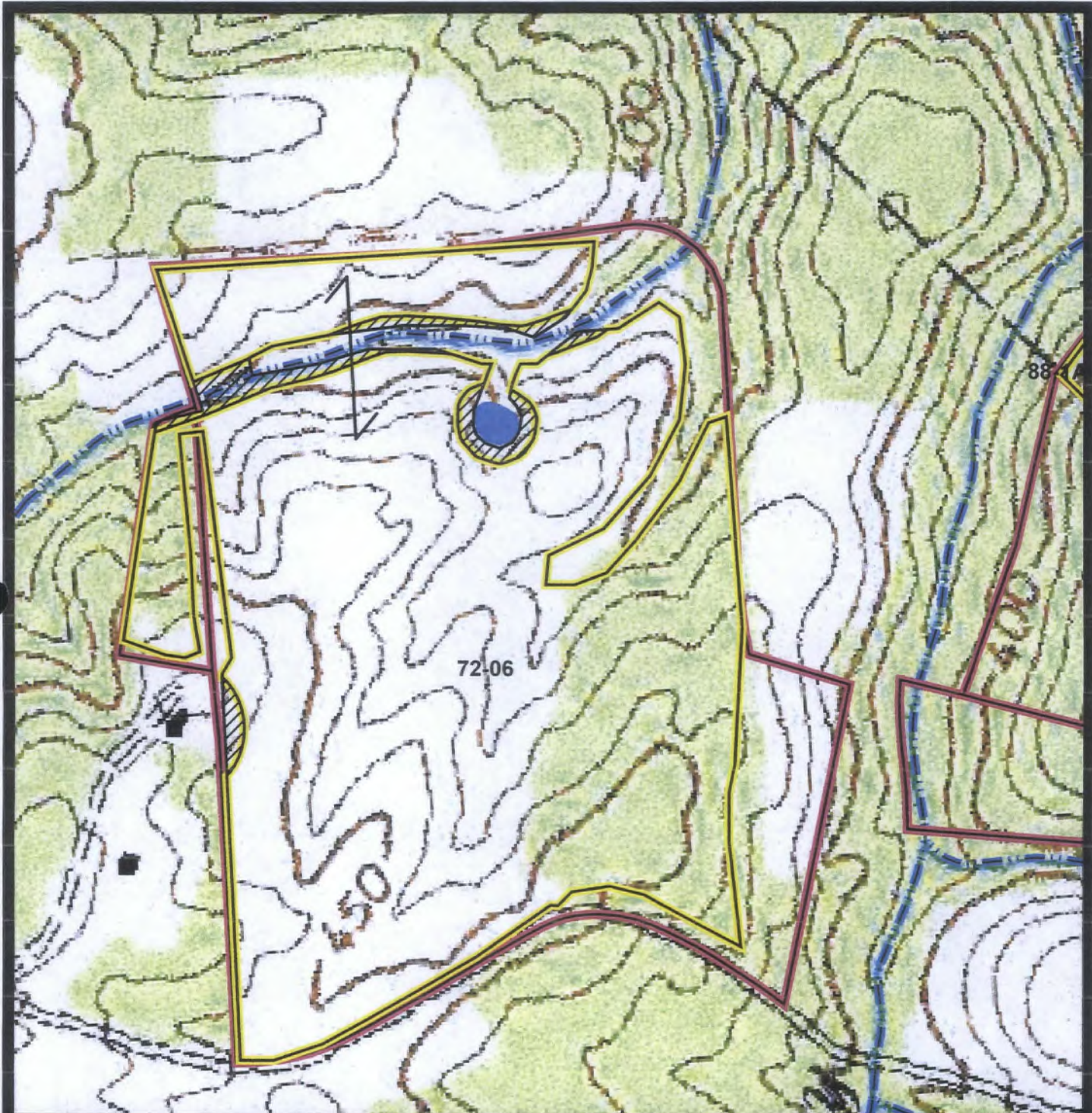


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Revised 8-13-14

TOPO MAP

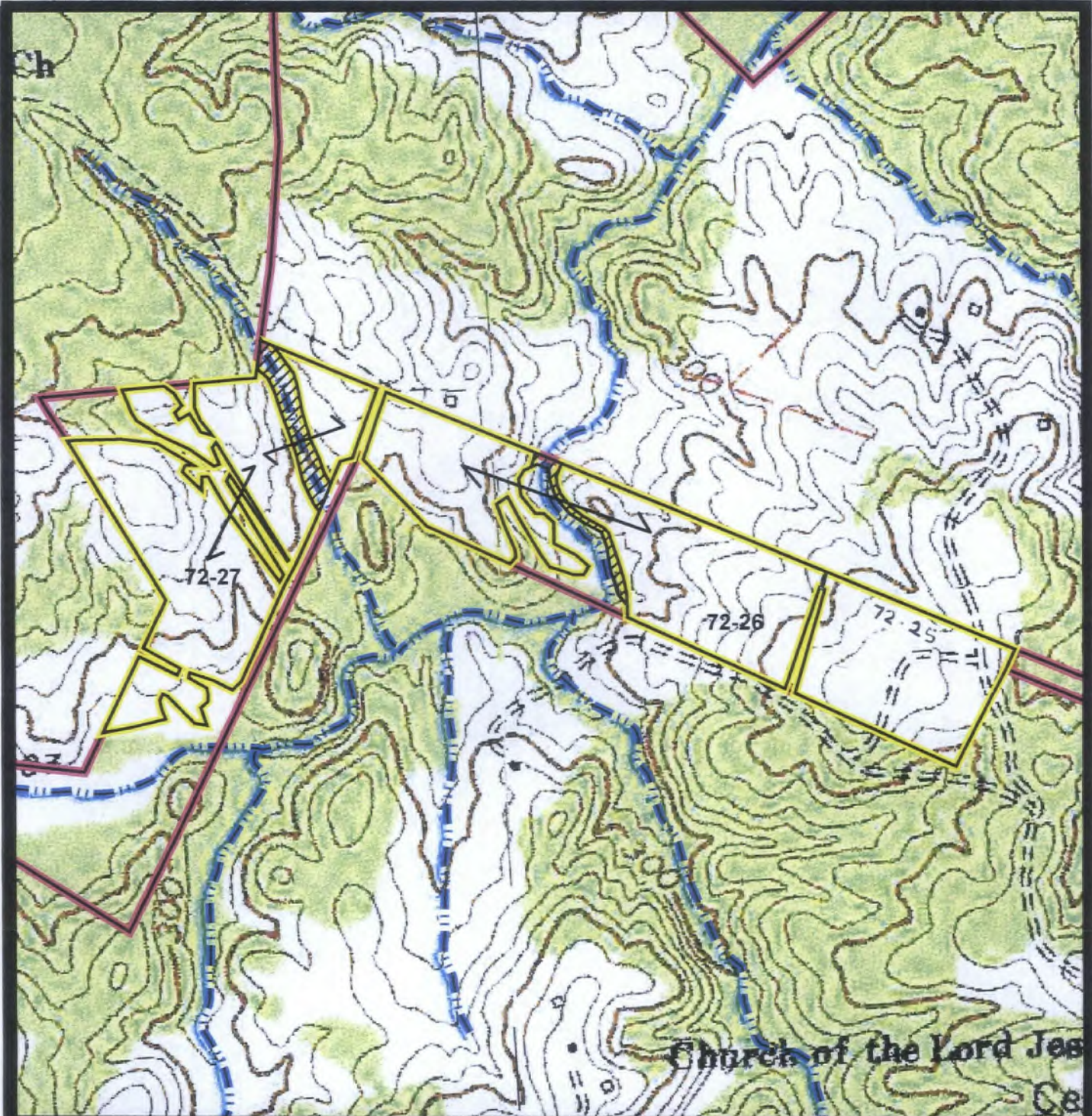
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TOPO MAP

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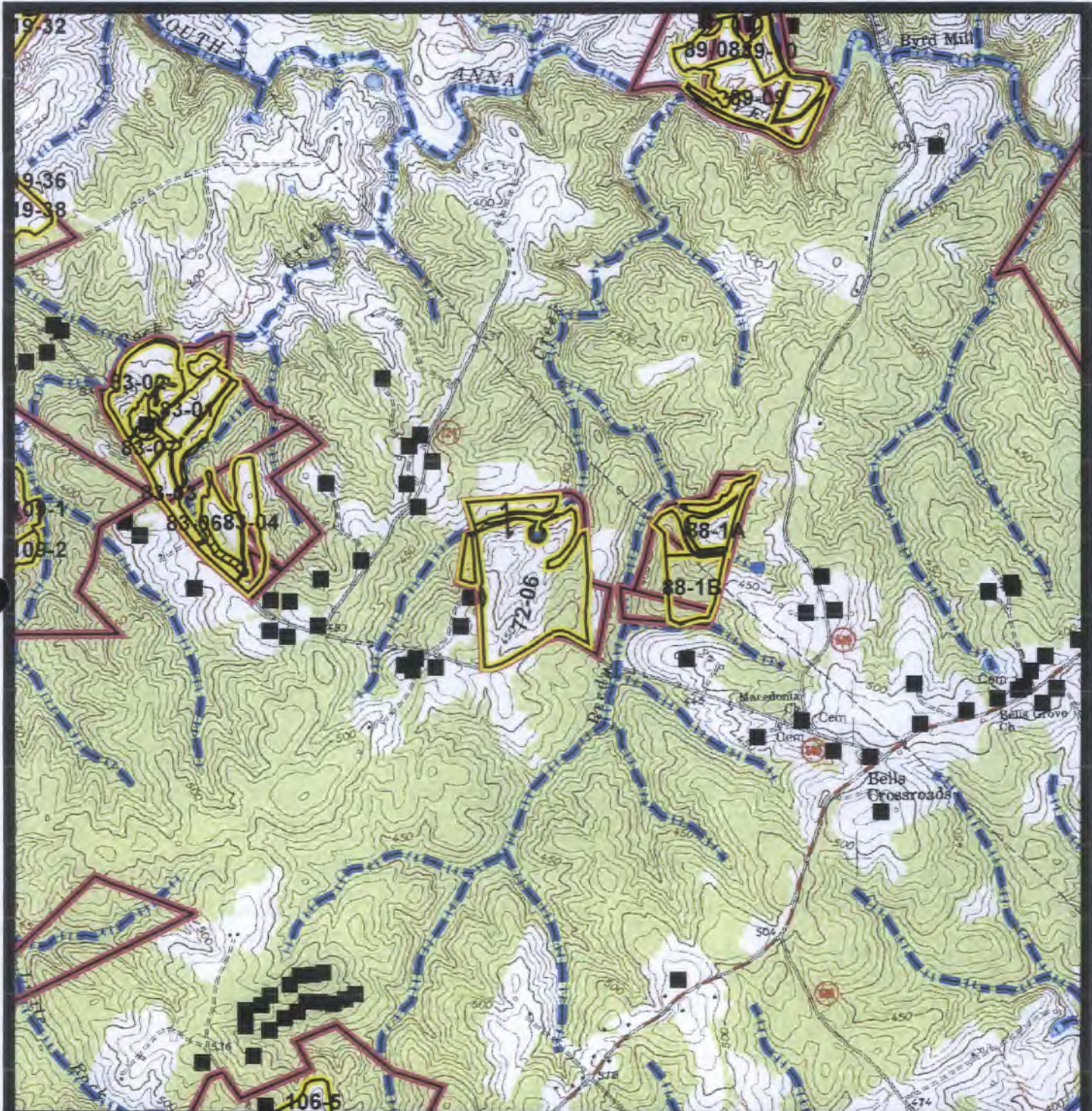


SCALE 1:8,000

Revised 8-13-14

TOPO MAP

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SCALE 1:24,000

TOPO MAP

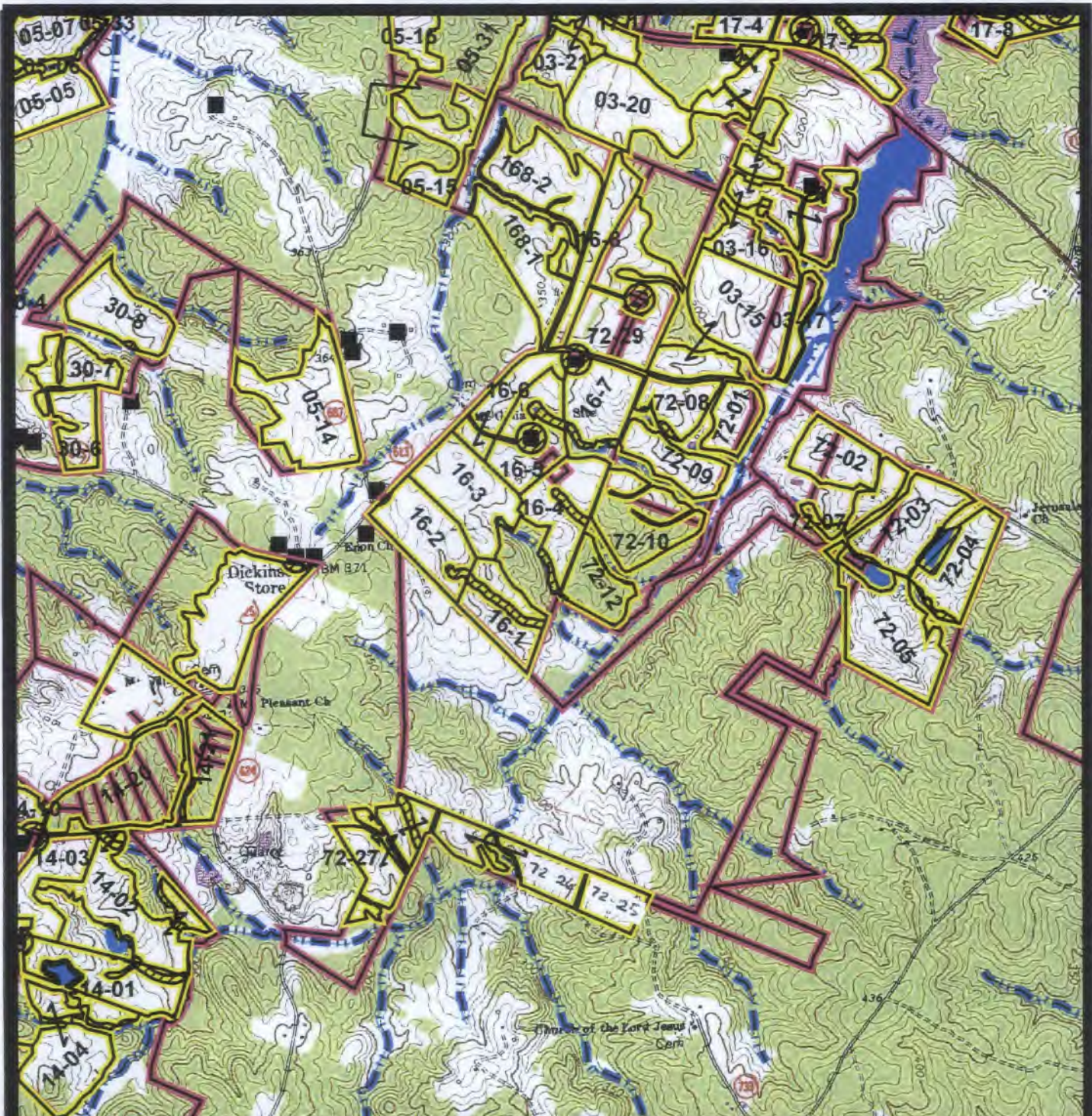
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SYNAGRO

Malcolm Rigsby

LO72

Fields 1-5, 7-10, 12, 25, 26, 27, 29



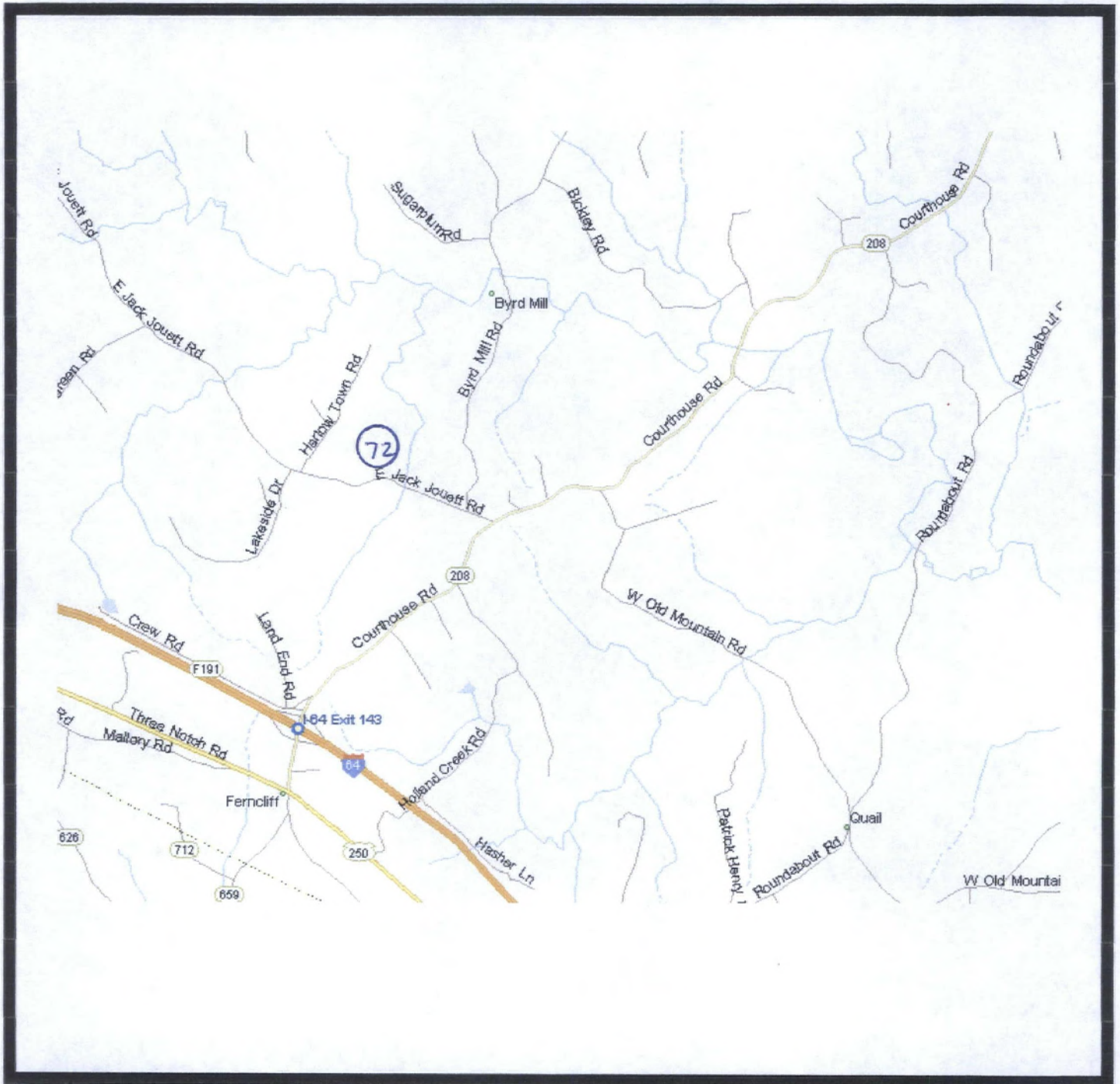
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Revised 8-13-14

TOPO MAP







LOCATION MAP

